Figure 1 (prior art)

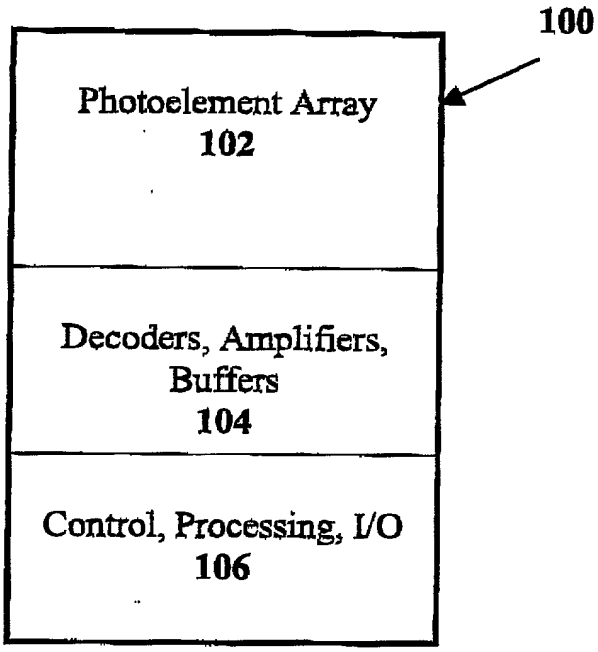

Figure 2 (prior art)

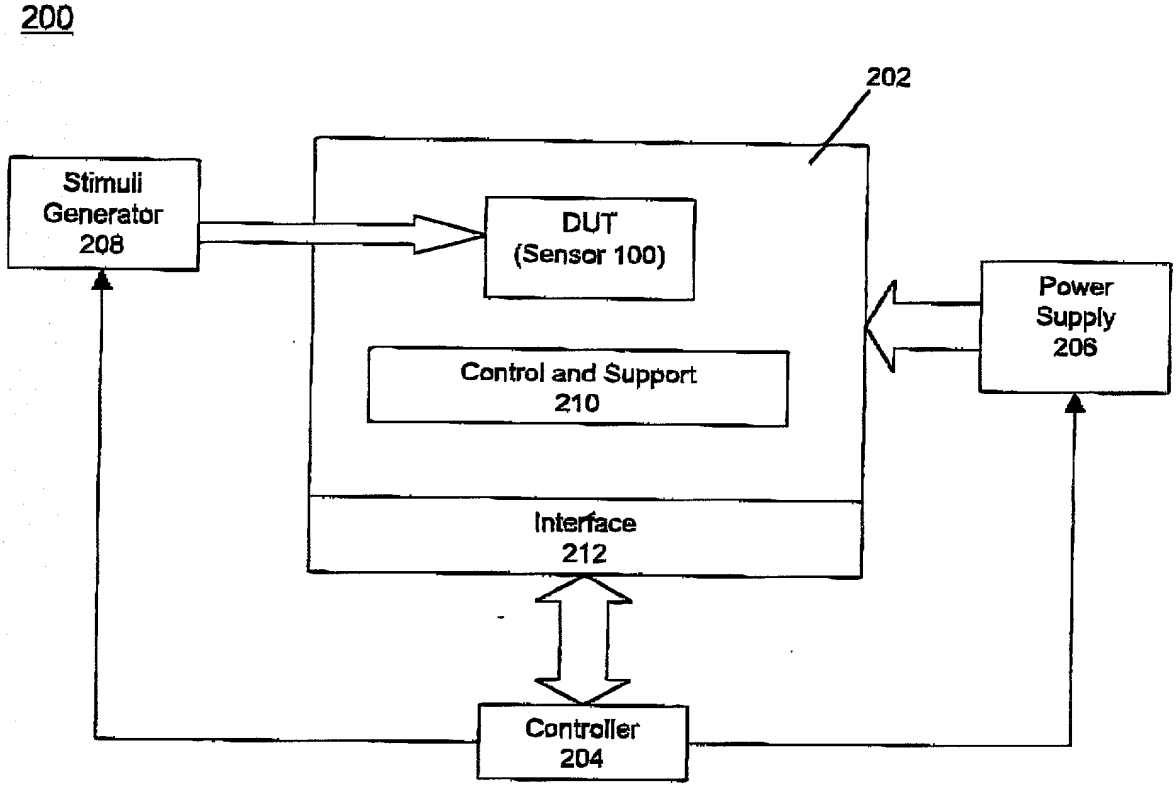

Figure 3

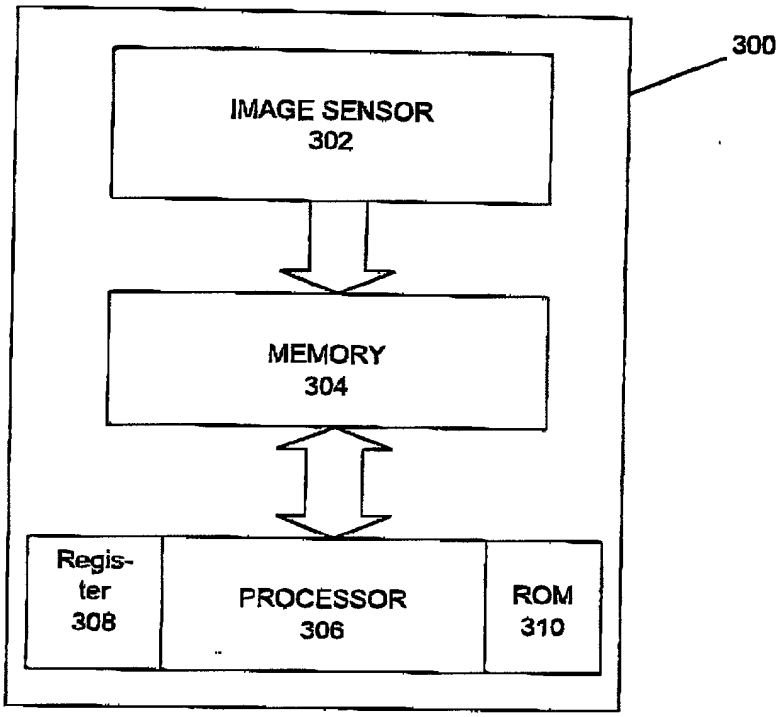
300
IMAGE SENSOR
302
MEMORY
304
Regis-
ter
308
PROCESSOR
306
ROM
310

Figure 4

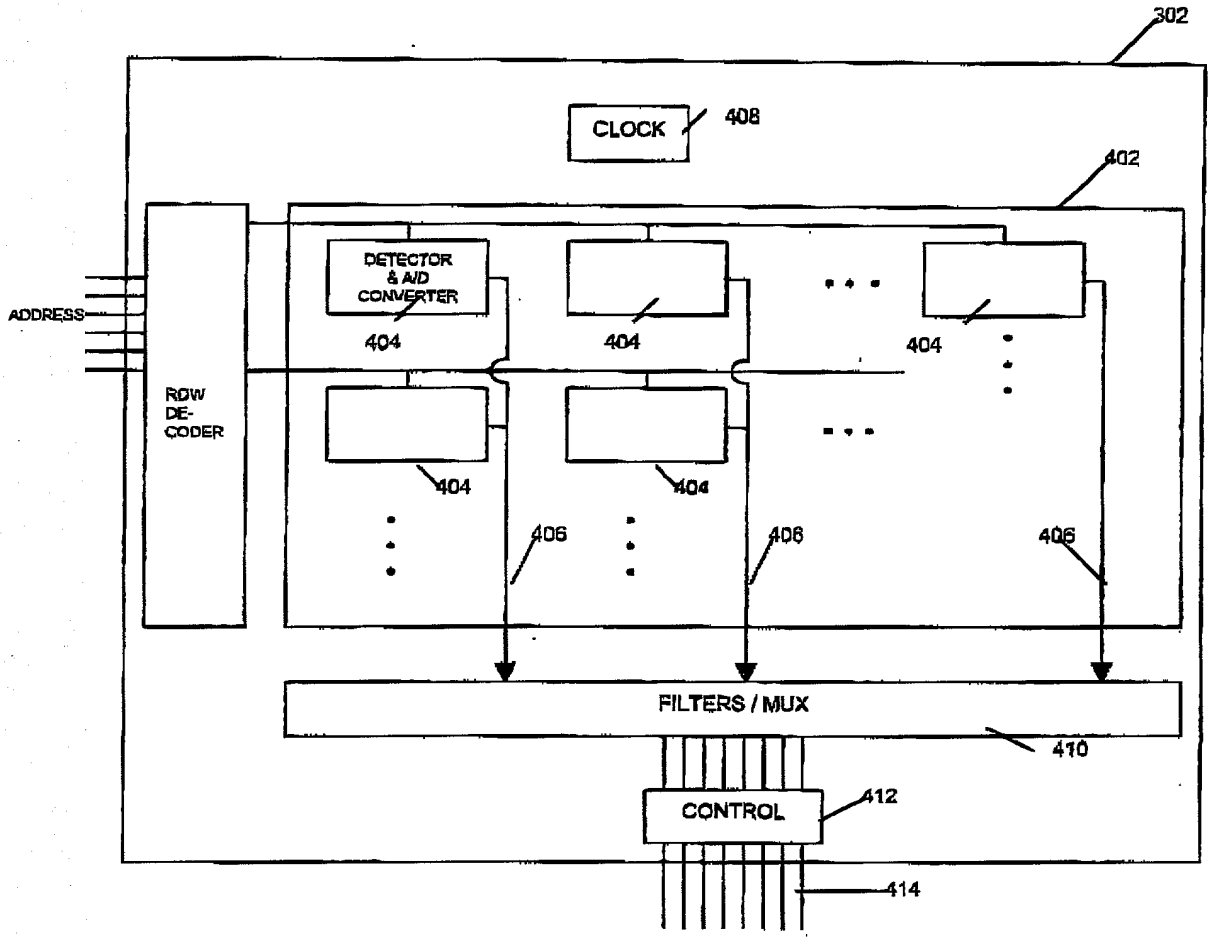
302
CLOCK
408
402
DETECTOR & A/D CONVERTER
404
404
404
ADDRESS
ROW DE-CODER
404
404
406
406
406
FILTERS / MUX
410
CONTROL
412
414

Figure 5

500

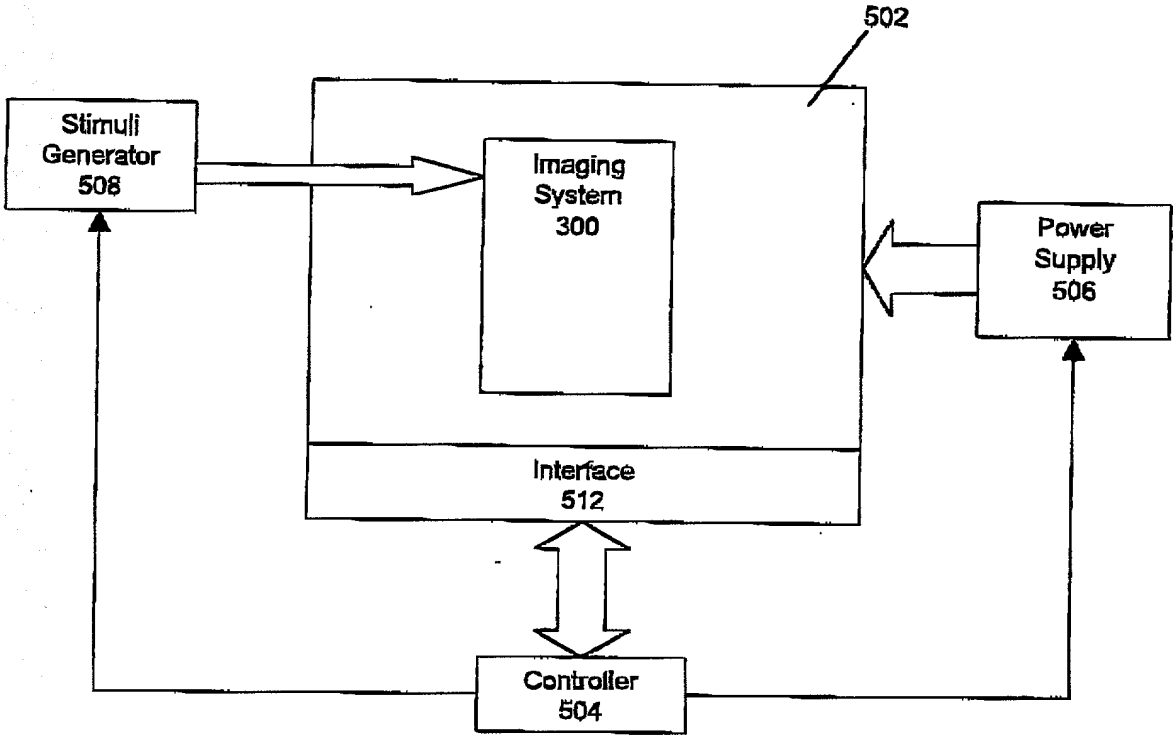

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Figure 6

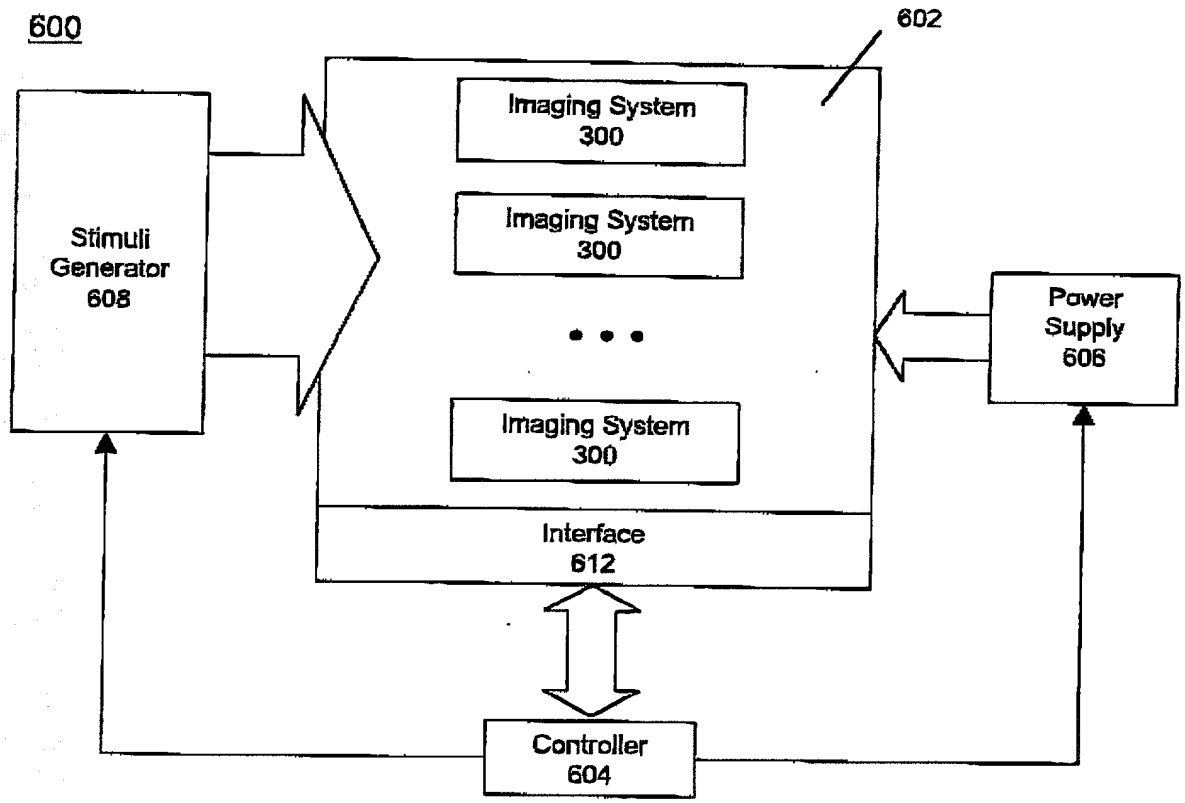
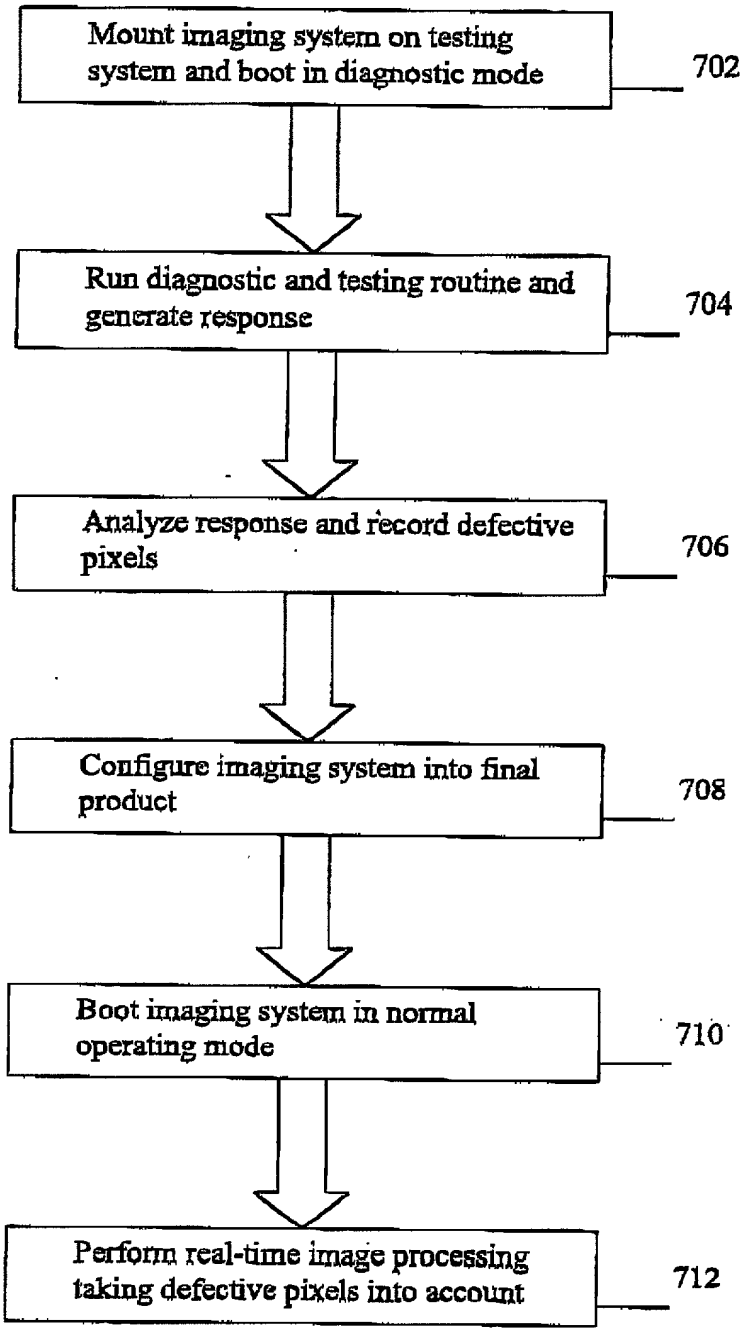

600
602
Imaging System 300
Imaging System 300
Imaging System 300
Stimuli Generator 608
Power Supply 606
Interface 612
Controller 604

Figure 7

700


Mount imaging system on testing system and boot in diagnostic mode
702
Run diagnostic and testing routine and generate response
704
Analyze response and record defective pixels
706
Configure imaging system into final product
708
Boot imaging system in normal operating mode
710
Perform real-time image processing taking defective pixels into account
712